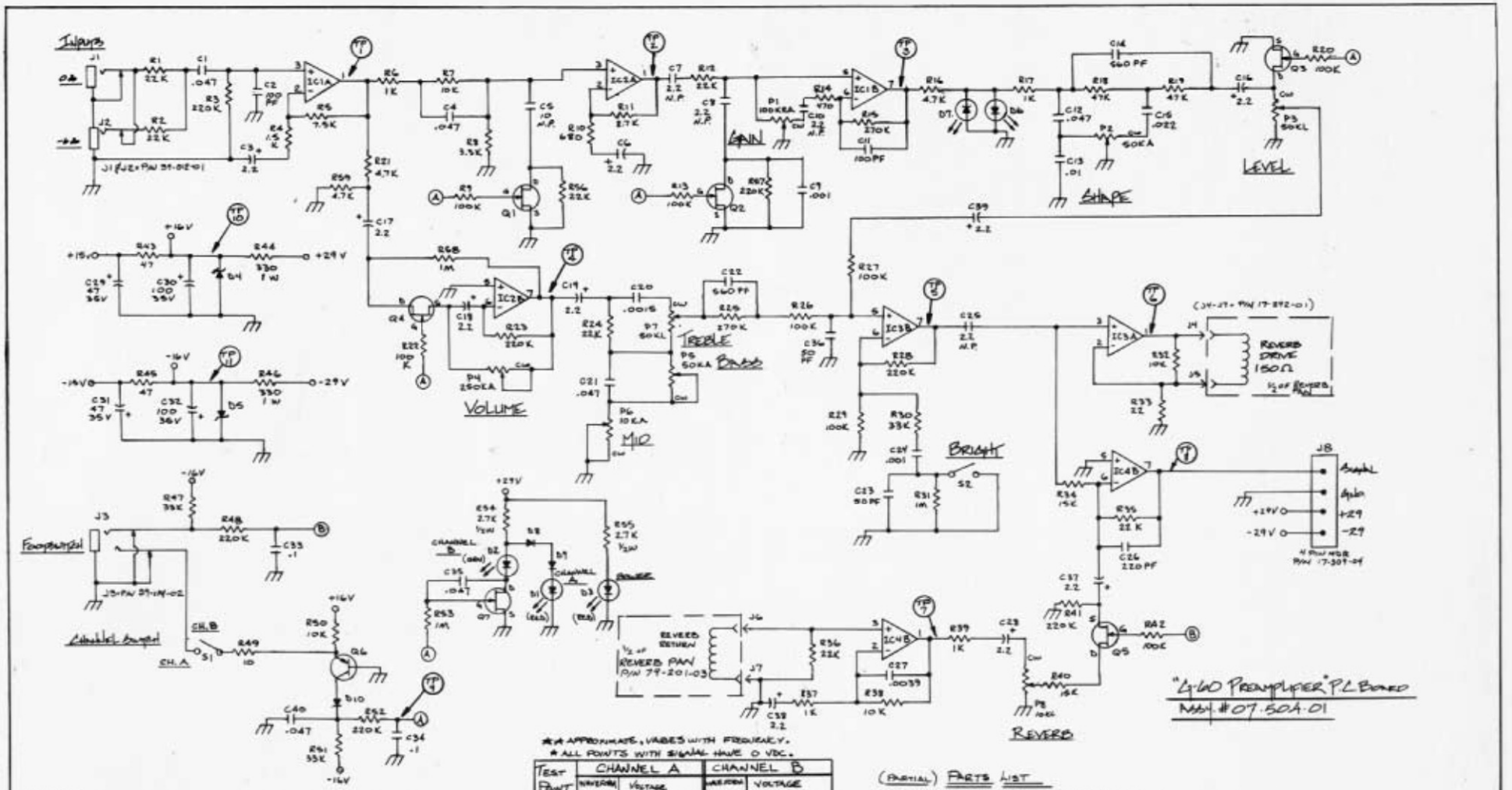
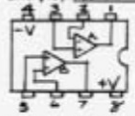


NOTES:

1) UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE IN OHMS, ¼W, 5%.
" " " " , ALL CAPACITORS ARE IN MICROFARADS.

2) TYPICAL IC1 & 2, PIN 4 = -15V, PIN 8 = +15V; IC3 & 4 PIN 4 = -16V, PIN 8 = +16V.



3) MEASUREMENTS AT TEST POINTS ARE MADE WITH A 1 MΩ INPUT OSCILLOSCOPE UNDER THE FOLLOWING CONDITIONS: "SHAPE" & "REVERB" @ 0, "BRIGHT" OFF, ALL OTHER CONTROLS @ 10, AND CHANNEL SELECTED AS NEEDED.

★★ APPROXIMATE, VARIES WITH FREQUENCY.
★ ALL POINTS WITH SIGNAL HAVE 0 VDC.

TEST POINT	CHANNEL A WAVEFORM	CHANNEL A VOLTAGE	CHANNEL B WAVEFORM	CHANNEL B VOLTAGE
1		14mV P-P ★		140mV P-P
2		3.6V P-P		5mV P-P
3		14 V P-P		10-V P-P
4	—	0V		3.2V P-P
5		1.5V P-P		1.2V P-P
6		20V P-P		9V P-P
7		60mV P-P ★★		50mV P-P ★★
8		2.6 V P-P		23V P-P
9	—	-13 VDC	—	0 VDC
10		16VDC 2 P-P RIPPLE 50mV P-P		16VDC 2 P-P RIPPLE 50mV P-P
11		-16VDC 2 P-P RIPPLE 50mV P-P		-16VDC 2 P-P RIPPLE 50mV P-P
		2.5mV P-P INPUT		25.0mV P-P INPUT

(PARTIAL) PARTS LIST

PART	DESCRIPTION	SLM PART #
IC1-4	UA 4558	37-458-01
D1 & 3	RED LED ASSY	97-224-01
D2	GRN LED ASSY	97-225-01
D4 & D5	IN4745	21A745-01
D6 & D7	LED	21-117-01
D8-D10	IN914	21A914-01
Q1-3,7	2N5638	96-538-01
Q4	2N5087	96-587-01
P1	100KΩA	70-104-23
P2,5	50 KA	70-503-22
P3,7	50 KL	70-153-01
P4	250 KA	70-254-22
P6	10 KA	70-103-22
P8	10 KL	70-132-01

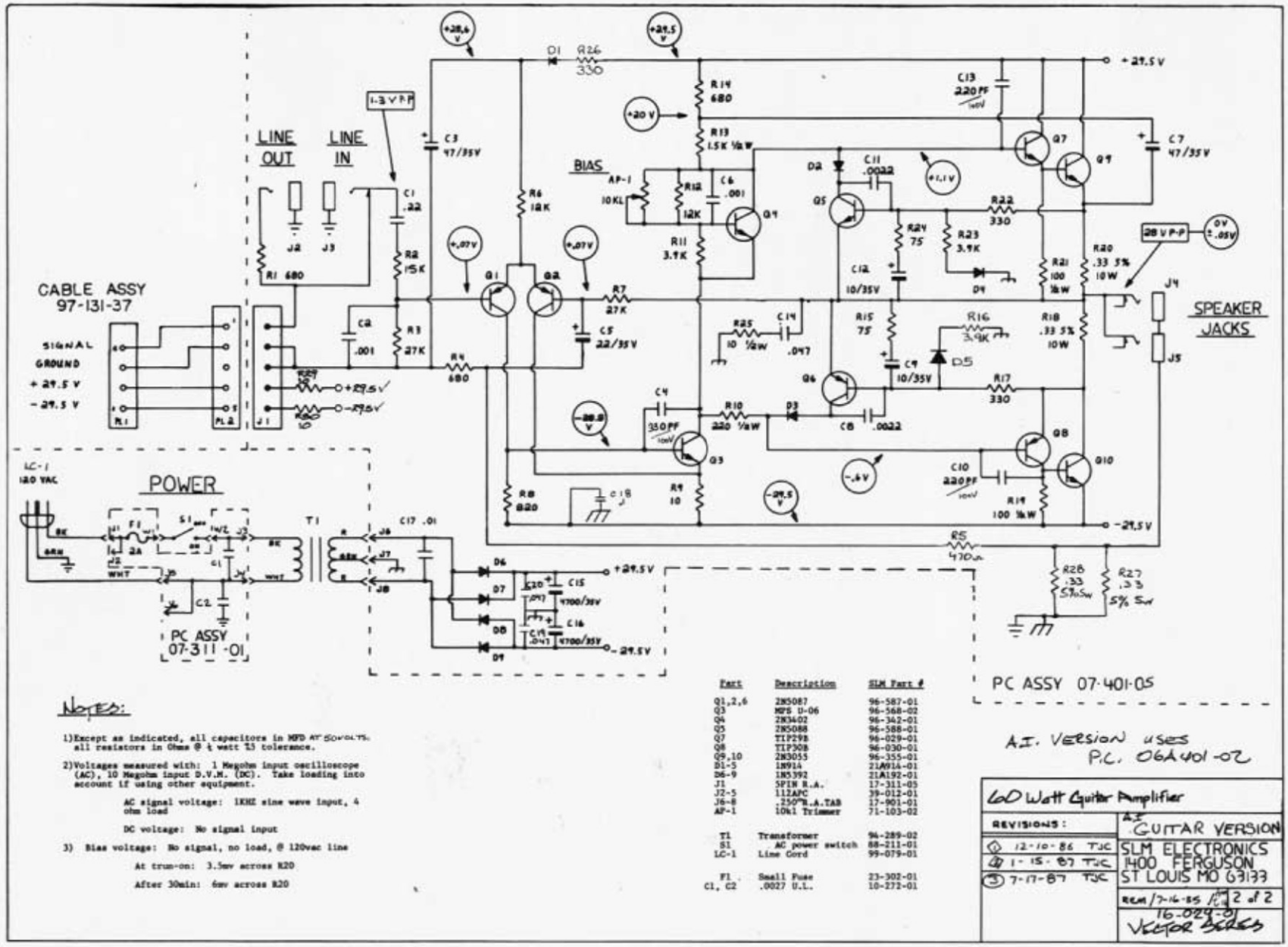
NOTE: ALL COMPONENTS NOT LISTED APPEAR NEAR THE APPROPRIATE SYMBOL WITH THE REFERENCE DESIGNATOR & VALUE AS DESCRIPTION.

G-60 PREAMPLIFIER P.C. BD.

SLM ELECTRONICS
1400 FERGUSON
ST. LOUIS, MO. 63133

DRAWN 7/6/84 CHK'D 1 of 2

DRAWING No.: 16-029-01



NOTES:

1) Except as indicated, all capacitors in MFD AT 50 VOLTS. all resistors in Ohms @ ¼ watt 5% tolerance.

2) Voltages measured with: 1 Megohm input oscilloscope (AC), 10 Megohm input D.V.M. (DC). Take loading into account if using other equipment.

AC signal voltage: 1KHZ sine wave input, 4 ohm load

DC voltage: No signal input

3) Bias voltage: No signal, no load, @ 120vac line

At trun-on: 3.5mv across R20

After 30min: 6mv across R20

Part	Description	SLM Part #
Q1,2,6	2N5087	96-587-01
Q3	MPS U-06	96-568-02
Q4	2N3402	96-342-01
Q5	2N5088	96-588-01
Q7	TIP29B	96-029-01
Q8	TIP30B	96-030-01
Q9,10	2N3055	96-355-01
D1-5	1N914	21A914-01
D6-9	1N5392	21A192-01
J1	5PIN R.A.	17-311-05
J2-5	112APC	39-012-01
J6-8	.250"R.A.TAB	17-901-01
AP-1	10k1 Trimmer	71-103-02
T1	Transformer	94-289-02
S1	AC power switch	88-211-01
LC-1	Line Cord	99-079-01
F1	Small Fuse	23-302-01
C1, C2	.0027 U.L.	10-272-01

A.I. VERSION USES P.C. 06A401-02

60 Watt Guitar Amplifier

A.I. GUITAR VERSION

REVISIONS:
1. 12-10-86 TJC
2. 1-15-87 TJC
3. 7-17-87 TJC

SLM ELECTRONICS
1400 FERGUSON
ST LOUIS MO 63133

REM/7-16-85 Pg 2 of 2

16-029-01
VECTOR SERIES

Schematic provided for use by qualified service personnel only.